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94056 CAPTURE/AB
410510 PROBE#/BI
355733 PROBE#/AB
104504 OLIGONUCLEOTIDE#/BI
77279 OLIGONUCLEOTIDE#/AB
2089580 PHASE/BI
1824278 PHASE/AB
1342 CAPTURE(W)(PROBE# OR OLIGONUCLEOTIDE# OR PHASE)
214568 HYBRIDI?/BI
180471 HYBRIDI?/AB
18833 LIGATE#/BI
17966 LIGATE#/AB
19765 LIGASE#/BI

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        15407 LIGASE#/AB
        36532 LIGATION/BI
        33697 LIGATION/AB
         2846 LCR/BI
         2058 LCR/AB
          813 LDR/BI
          773 LDR/AB
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OR PHASE)) AND HYBRIDI?
            AND (LIGATE# OR LIGASE# OR LIGATION OR LCR OR
LDR))/BI,AB

=> s l1 not 2010/py
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L2        106 L1 NOT 2010/PY

=> s l2 not 2009/py
      1845332 2009/PY
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=> s l3 not 2008/py
      1797450 2008/PY
L4         61 L3 NOT 2008/PY

=> s l4 not 2007/py
      1721288 2007/PY
L5         56 L4 NOT 2007/PY

=> s l5 not 2006/py
      1587214 2006/PY
L6         46 L5 NOT 2006/PY

=> s l6 not 2005/py
      1433409 2005/PY
L7         37 L6 NOT 2005/PY

=> s l7 not 2004/py
      1352559 2004/PY
L8         29 L7 NOT 2004/PY

=> s l8 not 2003/py
      1272622 2003/PY
L9         23 L8 NOT 2003/PY

=> s l9 not 2002/py
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L10        19 L9 NOT 2002/PY

=> s l10 not 2001/py
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L11        13 L10 NOT 2001/PY

=> s l11 not 2000/py
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L12        10 L11 NOT 2000/PY

=> s l12 not 1999/py
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L13         9 L12 NOT 1999/PY

=> s l13 not 1998/py
       935226 1998/PY
L14         6 L13 NOT 1998/PY

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L3         76 S L2 NOT 2009/PY
L4         61 S L3 NOT 2008/PY
L5         56 S L4 NOT 2007/PY
L6         46 S L5 NOT 2006/PY
L7         37 S L6 NOT 2005/PY
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L14         6 S L13 NOT 1998/PY

=> d l14 1-6 bib ab

L14  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2010 ACS on STN
AN   1998:138263  CAPLUS <<LOGINID::20100420>>
DN   128:290724
OREF 128:57463a,57466a
TI   Rapid and sensitive detection of Chlamydia trachomatis using
a ligatable
     binary RNA probe and Q.beta. replicase
AU   Stefano, James E.; Genovese, Louis; An, Qi; Lu, Ling;
Mccarty, Janice; Du,
     Yan; Stefano, Kyriaki; Burg, J. Lawrence; King, Walter; Lane,
David J.
CS   GENE-TRAK, Inc., Framingham, MA, 01701, USA
SO   Molecular and Cellular Probes (1997), 11(6), 407-426
     CODEN: MCPRE6; ISSN: 0890-8508
PB   Academic Press Ltd.
DT   Journal
LA   English
AB   A simple assay format was developed for the direct
detection of C.
     trachomatis rRNA utilizing  ***ligation***  of recombinant
MDV-1 probe
     RNA fragments  ***hybridized***  to 23S rRNA after
capture and release
     from a solid support.  Assay background (equiv. to 104
targets) was
     suppressed by blocking sequences in the 5' MDV reporter
probe fragment
     complementary to the 3' fragment by prehybridization of a
DNA
     oligonucleotide.  A pair of reporter fragments bearing a
deletion within
     the region, obtained by a hydrid-selection-amplification
protocol, yielded
     a low level of assay background which was reduced to <2%
with a blocker
     directed against the remaining pairing sequence.  This probe
set showed a
     sensitivity of 103 mols. of 23S rRNA (>95% responding) and
could detect a
     single elementary body (EB) of Chlamydia trachomatis or 1-10
EB added to a
     clin. matrix of pooled neg. human cervical swab samples.
The time of
     first appearance of amplification products by real-time
fluorescence
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detection showed a linear response to log increases in the target level
over a 105-fold range, permitting the detn. of target level within an
order of magnitude. The assay showed .apprx. 109-fold discrimination over
Chlamydia pneumoniae (TWAR) rRNA. High levels of cultured Candida
albicans, Escherichia coli, Staphylococcus aureus, or Neisseria
gonorrhoeae had no detectable effect on assay background or the ability to
detect a single elementary body.
OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1997:37433 CAPLUS <<LOGINID::20100420>>
DN 126:70794
OREF 126:13605a,13608a
TI Detection of EBV early RNA (EBER-1) in parotid pleomorphic adenomas: a
novel observation utilizing ***ligation*** -dependent PCR
AU Brandwein, Margaret; Li, Hongbo; Zhang, David Y.
CS Lillian and Henry M. Stratton-Hans Popper Department of Pathology,
University of New York, NY, USA
SO International Congress Series (1996), 1114(Head and Neck Cancer: Advances
in Basic Research), 401-409
CODEN: EXMDA4; ISSN: 0531-5131
PB Elsevier
DT Journal
LA English
AB Very little is known regarding the initiation and promotion of salivary
neoplasia. We utilized the recently introduced ***ligation***
-dependent polymerase chain reaction (LD-PCR) to detect viral RNAs. This
technique employs two ***capture*** ***probes*** for the isolation
of target RNA. A third probe contains a complementary region to the
target sequence at each end, and a generic linker region for PCR primer
binding. This probe becomes circularized upon ***hybridization*** to
the target and forms a covalently linked circular probe by incubation with
T4 DNA ***ligase*** . The circularized probe sequence serves as a
template for Taq polymerase. A novelty of this assay is to amplify by PCR
the probe sequence rather than the target sequence. This allows for the
facile identification of RNA by PCR without the need for the reverse
transcriptase step. We studied nine cases of snap-frozen tissue from
parotid gland and six pleomorphic adenomas by LD-PCR for the presence of
EBV early RNA (EBER-1). EBER-1 was identified in six of eight parotid
tissue samples and four of six pleomorphic adenomas. Although the PCR
technique does not allow for localization within tissue (viral sequences
within tumor cells vs. circulating lymphocytes), the identification of
EBER-1 in these cases does indicate that active transcription of a
latency-assocd. viral RNA is common in the parotid gland. This may have
implications on salivary tumorigenesis.
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L14 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1995:230412 CAPLUS <<LOGINID::20100420>>
DN 122:179542
OREF 122:32745a,32748a
TI A rapid, reliable method for detection of known point mutations:
point-EXACCT
AU Somers, Veerle A. M. C.; Moerkerk, Peter T. M.; Murtagh, James J., Jr.;
Thunnissen, Frederik B. J. M.
CS Department Pathology, University Limburg, Maastricht, Neth.
SO Nucleic Acids Research (1994), 22(22), 4840-1
CODEN: NARHAD; ISSN: 0305-1048
PB Oxford University Press
DT Journal
LA English
AB Point mutations in the human genome play a central role in tumorigenesis.
Several methods are available for detection of known point mutations. The
detection format is based on an extension of the EXACCT procedure. In
short: after exonuclease digestion, polymerase chain reaction fragments
are detd. by ***hybridization*** with a capture and a detection probe
complementary to sequences near the 3' end of the antisense fragment. The
capture ***probe*** bears a biotin residue and the other probe
digoxigenin. After ***hybridization*** the PCR product hybrids are
captured in streptavidin-coated microtiter plates and detected with
labeled anti-digoxigenin antibody. For the detection of known point
mutations this procedure was extended by using after the capture step the
ligation of a mutation-specific ***capture*** ***probe***
with adjacent detection probe (Point-EXACCT). Point-EXACCT requires
considerably less time and effort than other techniques used for the
detection of known point mutations. This method is easily automated,
permitting rapid screening of tissue banks with multiple probes to
individual base substitutions, deletions or addns. The simplicity of
Point-EXACCT makes it a highly promising method for the detection of known

point mutations.
OSC.G 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

L14 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1994:70887 CAPLUS <<LOGINID::20100420>>
DN 120:70887
OREF 120:12639a,12642a
TI Cytomegalovirus (CMV) probes for use in solution phase sandwich
hybridization assays
IN Kolberg, Janice A.; Shen, Lu Ping; Urdea, Michael S.
PA Chiron Corp., USA
SO PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9313227	A1	19930708	WO 1992-US11170	19921222
W: CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 625214	A1	19941123	EP 1993-902723	19921222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
US 5407795	A	19950418	US 1993-138608	19931015
PRAI US 1991-813590	A	19911223		
WO 1992-US11170	W	19921222		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB The title probes, i.e. amplifier or ***capture*** ***probes*** ,
comprises a nucleotide sequence complementary to a segment of CMV nucleic
acid and a nucleotide sequence complementary to a segment of nucleotide
sequence of an amplifier multimer or a capture solid phase, resp. Thus, a
comb-type polynucleotide having 15 branch sites and side chain extensions
having 3 labeled probe binding sites was prepd. as an amplifier multimer.
CMV amplifier and ***capture*** ***probes*** (contg., in addn. to
sequences complementary to CMV sequences, a 5' extension complementary to
the amplifier multimer or a downstream sequence of CTTCTTTGGAGAAAGTGGTG
complementary to an immobilized oligonucleotide, resp.) were used along
with the amplifier multimer and capture solid phase in a sandwich
hybridization assay of CMV.
OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1994:70885 CAPLUS <<LOGINID::20100420>>
DN 120:70885
OREF 120:12639a,12642a
TI Chlamydiae probes for use in solution phase sandwich ***hybridization***
assays
IN Sanchez-Pescador, Ray; Besemer, Diana J.; Urdea, Michael S.
PA Chiron Corp., USA
SO PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9313221	A1	19930708	WO 1992-US11035	19921222
W: AU, CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9334672	A	19930728	AU 1993-34672	19921222
EP 726963	A1	19960821	EP 1993-903387	19921222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
US 5618674	A	19970408	US 1995-479487	19950607
PRAI US 1991-813587	A	19911223		
WO 1992-US11035	A	19921222		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB The title probes, i.e. amplifier probe and ***capture*** ***probe***
, comprise a first segment with nucleotide sequence substantially
complementary to a segment of Chlamydiae plasmid DNA and a second segment
with nucleotide sequence substantially complementary to an oligonucleotide
multimer or an oligonucleotide bound to a solid phase, resp. Thus, a
comb-type polynucleotide having 15 branch sites and side chain extensions
having 3 labeled probe binding sites was synthesized and used as a labeled
multimer. The amplifier and ***capture*** ***probes*** are
hybridized with sample, the formed complexes are captured by
oligonucleotide-bound solid phase, and the captured complexes are
hybridized with the oligonucleotide multimer and complementary
labeled oligonucleotide for Chlamydiae detection.
OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1993:663642 CAPLUS <<LOGINID::20100420>>
DN 119:263642

OREF 119:46973a,46976a
TI A transcriptionally amplified DNA probe assay with ligatable probes and
immunochemical detection
AU Carpenter, William R.; Schutzbank, Ted E.; Tevere, Vincent J.; Tocyloski,
Kenneth R.; Dattagupta, Nanibushan; Yeung, Kwok K.
CS Diagn. Div., Miles Inc., Tarrytown, NY, 10591, USA
SO Clinical Chemistry (Washington, DC, United States) (1993), 39(9), 1934-8
CODEN: CLCHAU; ISSN: 0009-9147
DT Journal
LA English
AB Transcriptionally amplified DNA probes are valuable tools in the
development of sensitive nucleic acid-based diagnostic assays. Here the
authors describe a model assay using a novel oligonucleotide hairpin probe
that encodes a T7 RNA polymerase promoter. The hairpin probe and an
adjacently ***hybridizing*** biotinylated ***capture*** ***probe*** were ***hybridized*** to target DNA and the duplex was
captured onto streptavidin-coated magnetic particles. After ***ligation*** of the immobilized probes, which served to maintain
specificity, the hairpin probe was transcribed by T7 RNA polymerase. The
amplified RNA product was ***hybridized*** to the ***capture*** ***probe*** and bound to the streptavidin-coated magnetic particles.
The immobilized heteroduplex was detected with an antibody-alk.
phosphatase conjugate specific for DNA:RNA hybrids, and the
chemiluminescent substrate adamantyl-1,2-dioxetane Ph phosphate. Ten
attomoles of target DNA could be detected in a background of 5 .mu.g of
unrelated DNA. The chemiluminescent immunoassay was as sensitive as
radioactive detection of specific product after gel electrophoresis.
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

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